

Fig. 1

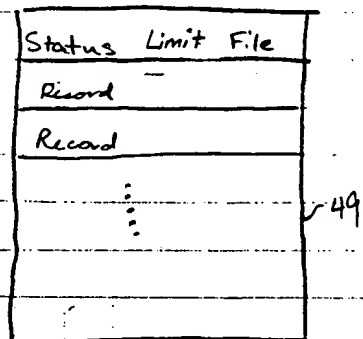
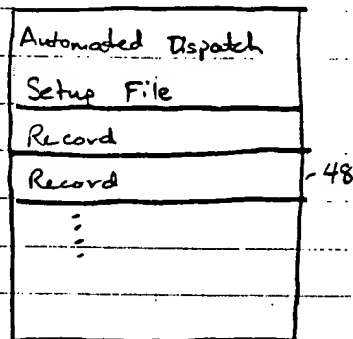
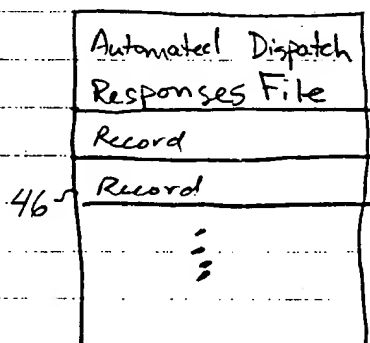
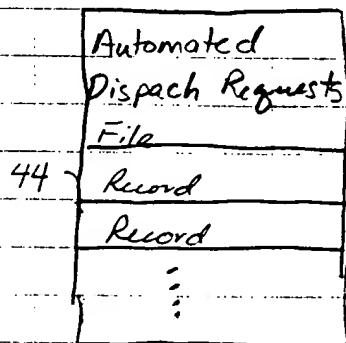
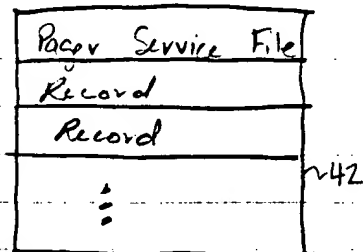
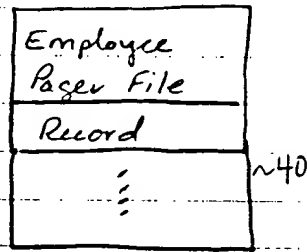
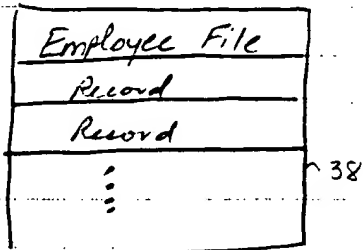
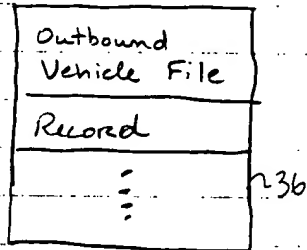
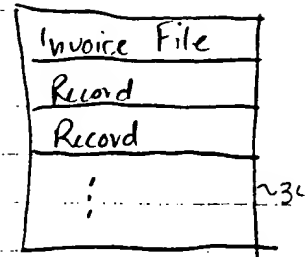
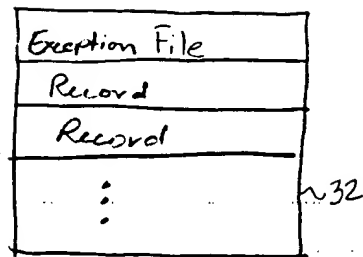
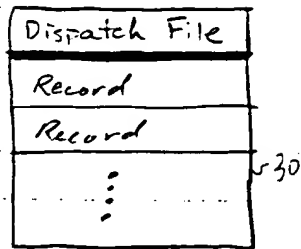


Fig. 2

Dispatch File

- 1Transport ID Number
- 2Status Flag (= " ", "D", "C", or "F")
- 3Date of Service
- 4Appointment Time (= <time> or "ASAP")
- 5Lead Time
- 6Transport Type (Wheelchair/Basic/AdvancedLifeSupport)
- 7Vehicle ID Number
- 8Driver Employee Number
- 9Attendant Employee Number
- 10Pickup Location
- 11Pickup Latitude
- 12Pickup Longitude
- 13Destination Location
- 14Destination Latitude
- 15Destination Longitude
- 16Time of Call
- 17Time Crew Notified
- 18Time Crew Dispatched
- 19Time Crew En Route to Pickup (Scene)
- 20Time Crew Arrived at Pickup (Scene)
- 21Time Crew En Route to Destination
- 22Time Crew Arrived at Destination
- 23Time Crew Reported as Available
- 24Reason for transport 1
- 25Reason for transport 2
- 26Reason for transport 3
- 27Reason for transport 4
- 28Patient ID number
- 29Name of caller
- 30Contract number
- 31Base rate codes
- 32Mileage rate codes
- 33Extra services rate codes
- 34Billing address codes

Fig. 3A

461021 24503000

Invoice File

- 1Transport ID Number
- 2Date of Service
- 3Vehicle ID Number
- 4Driver Employee Number
- 5Attendant Employee Number
- 6Pickup Location
- 7Destination Location
- 8Time of Call
- 9Time Crew Notified
- 10Time Crew Dispatched
- 11Time Crew En Route to Pickup (Scene)
- 12Time Crew Arrived at Pickup (Scene)
- 13Time Crew En Route to Destination
- 14Time Crew Arrived at Destination
- 15Time Crew Reported as Available
- 16Reason for transport 1
- 17Reason for transport 2
- 18Reason for transport 3
- 19Reason for transport 4
- 20Patient ID number
- 21Name of caller
- 22Contract number
- 23Base rate codes
- 24Mileage rate codes
- 25Extra services rate codes
- 26Billing address codes

Fig. 3B

Outbound Vehicle File

- 1Vehicle ID Number
- 2Transport ID Number

Fig. 3C

Employee File

- 1Employee ID Number
- 2Employee Name

Fig. 3D

Employee Pager File

- 1Employee ID Number
- 2Pager Service Code Number
- 3Pager PIN Number
- 4Pager Phone Number
- 5Text or Alpha ("T" or "A")

Fig. 3E

Pager Service File

- 1Pager Service Code Number
- 2Pager Service Modem Number
- 3Pager Modem Login ID
- 4Pager Modem Password
- 5Pager Modem Baud Rate
- 6Pager Modem Word Length
- 7Pager Modem Stop Bits
- 8Pager Modem Script Name

Fig. 3F

Automated Dispatch Requests File

- Message Packet Key Code
 - Terminal ID Number
 - Transport ID Number
 - Unique Sequence Number (000)
- Message Body

Fig. 3G

Automated Dispatch Responses File

- Message Packet Key Code
 - Terminal ID Number
 - Transport ID Number
 - Unique Sequence Number (000)
- Message Body

Fig. 3H

2025 RELEASE UNDER E.O. 14176

Automated Dispatch Setup File

- 1 Company Code
- 2 Dispatch Advance Action Setting (minutes)
- 3 Monitor Status Late Activity ("Yes"/"No")
- 4 AVL Port Operating System Name
- 5 AVL Port Lock File Name

Fig. 3I

Exception File

- 1 Transport ID Number
- 2 Exception code

Fig. 3J

Status Limit File

- 1 Company Code
- 2 Notified limit (minutes)
- 3 Dispatched limit (minutes)
- 4 En Route to Pickup limit (minutes)
- 5 Arrived limit (minutes)
- 6 En Route to Destination limit (minutes)
- 7 At Destination Limit (minutes)
- 8 ASAP Limit (minutes)

Fig. 3K

2025-04-24 14:30:00

From CAD

record code = 01

record ID = transport number + terminal number + sequence (000)

transport / vehicle type (als / bls / w/c)

pick up address

pick up city

pick up state

pick up zip code

quantity of vehicle to return from search

CRC

Fig. 3K-1

From AVL

record code = 02

record ID = transport number + terminal number + sequence (000)

vehicle string (sorted closest to farthest away from address)

CRC

Fig. 3K-2

08030645-120497

From CAD

record code = 10

record ID = transport number + terminal number + sequence (000)

vehicle ID number

pick up address

5 **pick up city**

pick up state

pick up zip

destination address

10 **destination city**

destination state

destination zip

CRC

Fig. 3L-1

From AVL

record code = 11

record ID = transport number + terminal number + sequence (000)

route string

CRC

Fig. 3L-2

02030544-120402

[illegible]

record ID = transport number + terminal number + sequence (000)

transport number**appointment time**

patient name

10 **pick up street address**

pick up state

destination street address

destination state

reason for transport 1

20 **reason for transport 3**

time of call

dispatched

arrive pick up

arrive destination

route message

Fig. 3m-1

record code = 31

CRC

Fig
3M-2

[illegible]

5

10

51

01

5

CRC

Fig. 3Q-1

CRC

Fig. 3Q-2

From AVL

record code = 20

record ID = transport number + vehicle number

status level (1 - 8 from mobile data terminal switch device)

CRC

Fig. 3R-1

From CAD

record code = 21

record ID = transport number + vehicle number

status level (1 - 8 returned for acknowledgment)

CRC

Fig. 3R-2

1267027 54508680

record code = 50
record ID = vehicle number
CRC

Fig. 3P-1

record code = 51
record ID = vehicle ID number
vehicle ID number
transport number
transport type
appointment time
transport status code
transport status time
driver employee number
attendant employee number
patient name
pick up address
pick up city
pick up state
pick up zip code
destination address
destination city
destination state
destination zip code
CRC

Fig. 3P-2

[illegible]

record code = 70

transport number

5 pickup street address

pickup state

destination street address

10 destination city

destination zip code

From AVL

record ID = transport number + terminal number + sequence (000)

pickup latitude

destination latitude**CRC**

Fig 3N-1

Fig. 3N-2

[illegible]

record code = 60
record ID = vehicle ID number
vehicle ID number
transport number
transport type
appointment time
transport status code
transport status time
driver employee number
attendant employee number
patient name
pick up address
pick up city
pick up state
pick up zip code
destination address
destination city
destination state
destination zip code
CRC

From AVL

record code = 61
record ID = vehicle number
CRC

Fig. 30-2

[illegible]

Open AVL port

170 ~ Responses and
Requests File

(A)

172 ~ Read Record from
Requests File

174 ~ End of File?

YES

(B)

Fig. 6B

NO

Write Record

176 ~ to AVL port

178 ~ Set Counter = 0

180 ~ Acknowledgment
Received?

YES

181 ~
Delete record
from requests file

(B)

Fig. 6B

NO

Counter =

182 ~ Counter + 1

NO

Counter > 2? ~ 184

YES

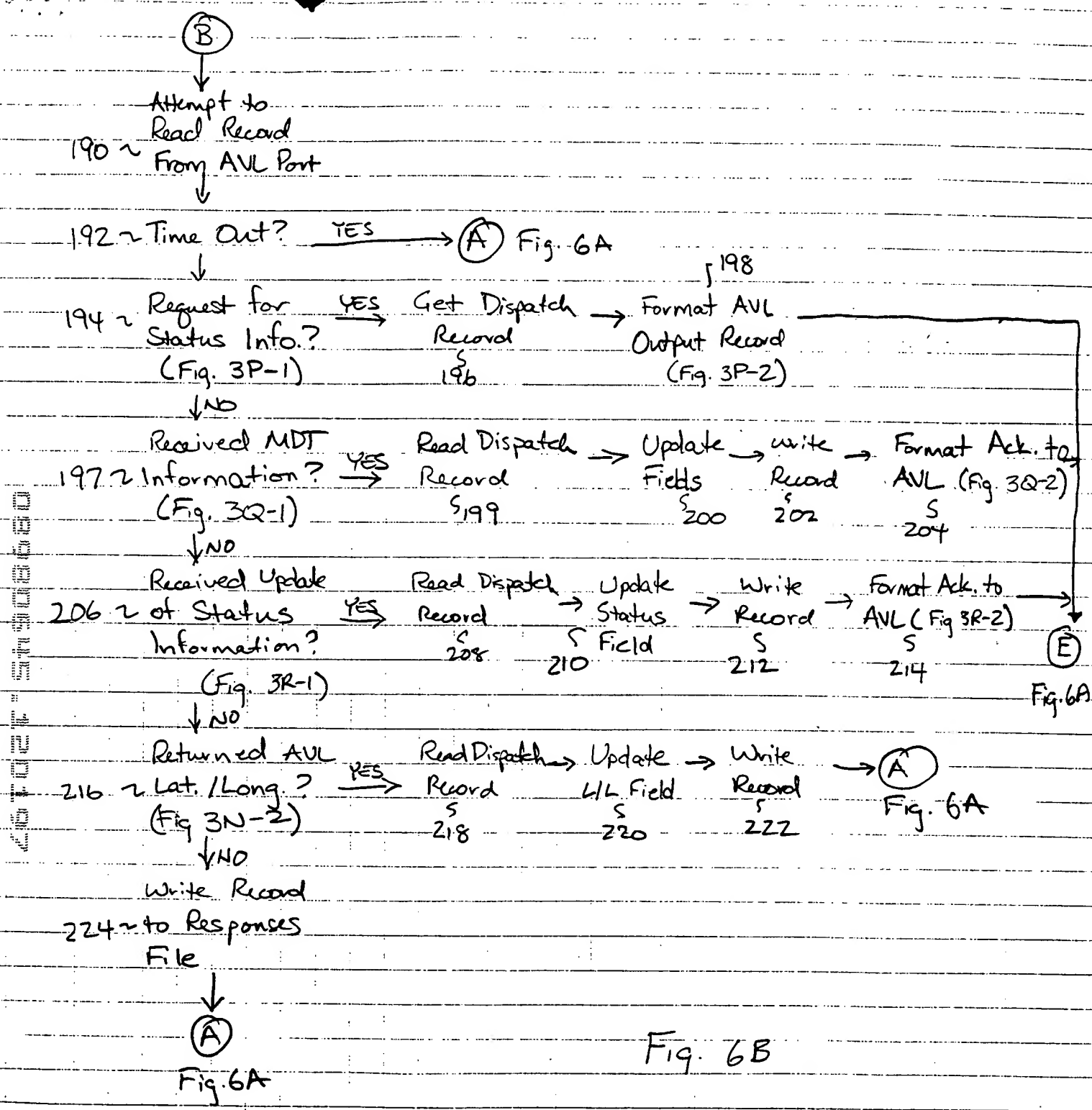
186 ~ Format Exception
Record

188 ~ Write Exception
Record

(B)

Fig. 6B

Fig. 6A



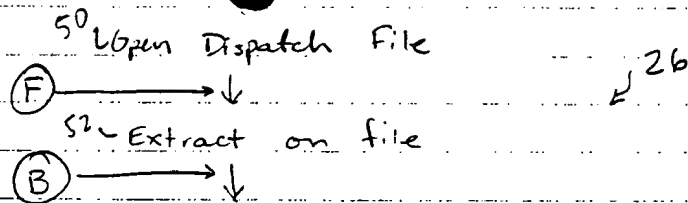


Fig. 4A

54 ~ Get dispatch record (Fig. 3A)

56 ~ EOF? → Yes → (F) Fig. 4A
↓ No

58 ~ Is record idled in exception file? → Yes → (B) Fig. 4A
↓ No

60 ~ Is record status = prescheduled? → No → (B) Fig. 4A
↓ Yes

62 ~ Is record from current company? → No → (B)
↓ Yes

64 ~ Is record ASAP, or is (current time) - (appointment time) less than or equal to the (lead time) + (advance action time)? → No → (B) Fig. 4A
↓ Yes

Request N closest vehicles from AVL which can handle job. (Fig. 3K-1)

68 ~ Obtain the AVL response (Fig. 3K-2)

Scan vehicles identified by AVL to locate an available vehicle

70 ~ → None found → (A) Fig. 4A
↓ Found

Update dispatch record: enter vehicle and crew; change status to "D"; store time; update outbound vehicle file

74 ~ Create pager data Initialize page counter → (C) Fig. 4B

(A) → Write record to exception file (Fig. 3J) with reason code
80 ~
↓ (B) Fig. 4A

③

76 ~ Increment pager
Counter

78 ~ Is page counter
greater than 3?

Yes → (A)
Fig. 4A

↓ No
Reference
employee pager file (Fig. 3E)
80 ~ and pager service file
(Fig. 3F) to send page

82 ~ Page sent OK? No → (C)
Fig. 4B
↓ Yes

84 ~ Initialize route
Counter

① → ↓

86 ~ Increment route
Counter

88 ~ Is route counter
greater than 3? Yes → (A)
Fig. 4A
↓ No

Request route from
90 ~ AVL for selected
vehicle to destination, and wait.
(Fig. 3L-1)

92 ~ Route received? No → (D)
Fig. 4B
↓ Yes (Fig. 3L-2)

Create vehicle MDT

94 ~ message with
patient data, directions
route, other info.
(Fig. 3M-1)

96 ~ Initialize MDT
counter

⑤ → ↓

98 ~ Increment MDT
counter

Fig. 4B

100 ~ Is MDT counter
greater than 3? Yes → (A)
Fig. 4A
↓ No

Send AVL request
102 ~ for MDT message
to vehicle (Fig. 3M-1)

104 ~ MDT confirmation
received? (Fig. 3M-2) No → (E)
Fig. 4B
↓ Yes

Store dispatch time.
106 ~ Request Lat./Long.
of vehicle from
AVL (Fig. 3N-1)

③
Fig. 4A

120 ~ Open Dispatch File

(C)

122 ~ Extract on file

(B)

Get dispatch

124 ~ record (Fig. 3A)

126 ~ EOF?

(C)

Fig. 5

128 ~ Is record idled in exception file?

Yes

(B)

Fig. 5

No

130 ~ Is record status = dispatched?

No

(B)

Fig. 5

Yes

132 ~ Is record from current company?

No

(B)

Fig. 5

Yes

134 ~ Has vehicle reported as arrived?

Yes

No

136 ~ Is this an appointment or ASAP record?

ASAP

p. 138

Appointment

137 ~

Compare (appointment time)

and (current time)

to determine whether

vehicle is late.

Vehicle Late

(A)

Fig. 5

Vehicle Not late

No

140 ~ Status late monitoring enabled for company?

Yes

Compare limit

setting for current

status to

(current time) -

(status time) to

determine whether

Vehicle is late.

Vehicle Late

(A)

Fig. 5

Vehicle Not Late

No

Vehicle is late.

28

Fig. 5

(A)

Write record

to exception

160 ~ file (Fig. 3J)

with reason code

(B)

Fig. 5

Has vehicle reported as available?

No

(B)

Fig. 5

144

Yes

Mark record as

finished and write

146 ~ to dispatch file. Delete record from outbound vehicle file

Create invoice record

(Fig. 3B) from dispatch

148 ~ record and write to invoice file

Notify AVL of

150 ~ new vehicle

status (Fig. 30-1)

(B)

Fig. 5